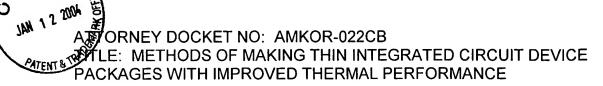
Please type a plus sign (+) inside this box \longrightarrow +PTO/SB/21 (08-00) Approved for use through 10/31/2002, OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE der the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/667,759 TRANSMITTAL Filing Date 09/22/2003 **FORM First Named Inventor** Sean T. Crowley (to be used for all correspondence after initial filing) Group Art Unit 2811 Examiner Name Unknown Attorney Docket Number AMKOR-022CB Total Number of Pages in This Submission **ENCLOSURES** (check all that apply) After Allowance Communication Assignment Papers Fee Transmittal Form to Group (for an Application) Appeal Communication to Board Fee Attached Drawing(s) of Appeals and Interferences Appeal Communication to Group Licensing-related Papers Amendment / Reply (Appeal Notice, Brief, Reply Brief) Petition After Final Proprietary Information Petition to Convert to a Affidavits/declaration(s) Provisional Application Status Letter Power of Attorney, Revocation Other Enclosure(s) (please Change of Correspondence Extension of Time Request Address identify below): Terminal Disclaimer Certificate of Mailing; **Express Abandonment Request** PTO/SB/08A Form; Prior Art Request for Refund References; and Return Receipt Information Disclosure Statement Postcard CD, Number of CD(s) Certified Copy of Priority Document(s) Remarks Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Mark B. Garred Individual name STETINA BRƯNDA GARRED & BRUCKER Signature Date **CERTIFICATE OF MAILING** I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 01/08/2004

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- 3. Information Disclosure Statement (2 pages);
- 4. PTO/SB/08A (7 pages submitted in duplicate);
- 5. Prior Art References (approximately 1,000 pages); and
- 6. Return Receipt Postcard

Attorned Docket No.: AMKOR-022CB

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Sean T. Crowley, et al.)	
Serial No.:	10/667,759)	Art Unit: 2811
Filing Date:	09/22/2003)	Examiner: Unknown
For:	Methods of Making Thin Integrated Circuit Device Packages with Improved Thermal Performance)	

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. SECTION 1.97

Mail Stop DD Assistant Commissioner for Patents Post Office Box 1450 Alexandria, Virginia 22313-1450

Dear Sir/Madam:

Pursuant to 37 C.F.R. § 1.97, the following Information Disclosure Statement is submitted as listed on form PTO/SB/08A enclosed herewith in duplicate. Copies of all disclosure documents are attached hereto for the Examiner's review.

No representation is made that the references disclosed herein legally constitute prior art, or that more relevant references are not available. The disclosure documents enclosed herewith and listed on the attached form (PTO/SB/08A) are printed in the English language and/or accompanied by an Abstract published in the English language.

The references listed herein, when taken alone or in combination are not believed to disclose nor make obvious the invention as claimed in the subject application.

As this Information Disclosure Statement is being submitted before the stipulated three months from the filing date of the application and/or before the mailing of a first Office Action, it is believed that no fee is required.

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By:

Dated: 1 Q

Customer No. 007663

Respectfully submitted,

Mark B. Garred

Registration No. 34,823

STETINA BRUNDA GARRED & BRUCKER

75 Enterprise, Suite 250 Aliso Viejo, CA 92656

(949) 855-1246

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Filing Date	09/22/2003				
First Named Inventor	Sean T. Crowley				
Art Unit	2811				
Examiner Name	Unknown				
Attorney Docket Number	AMKOR-022CB				

		U.S. PATE	NT DOCUMENTS	
Examiner Initials*	Document Number Number - Kind Code ² (if known,	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		200204397	08/02/2002	JAPAN		
		0049944	06/26/2002	KOREA		
		2001060648	03/06/2001	JAPAN		
		556398	10/29/2000	JAPAN		
		EP1032037	08/30/2000	EU PAT. OFFICE		19.0
		00150765	05/30/2000	JAPAN		
		EP098968	03/29/2000	EU PAT. OFFICE		
		9967821	12/29/1999	PCT		
		9956316	11/04/1999	PCT		
		EP0936671	08/18/1999	EU PAT. OFFICE		

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Examiner Initials*	Cite No. 1 Number - Kind Code 2 (if known	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		100220154	06/18/1999	KOREA	•	
9		10256240	09/25/1998	JAPAN		
		10199934	07/31/1998	JAPAN		
		10163401	06/19/1998	JAPAN		
		EP0844665	05/27/1998	EU PAT. OFFICE		
11		10022447	JAN-98	JAPAN		
		9293822	11/11/1997	JAPAN		
		9772358	11/07/1997	KOREA		
		EP0794572A2	10/09/1997	EU PAT. OFFICE		
		DE19734794A1	08/11/1997	GERMANY		

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Art Unit	2811				
Examiner Name	Unknown				
Attorney Docket Number	AMKOR-022CB				

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		992775	04/04/1997	JAPAN		П
		98205	01/10/1997	JAPAN		
		98206	01/10/1997	JAPAN		
		98207	01/10/1997	JAPAN		
		8306853	11/22/1996	JAPAN		
		8222682	08/30/1996	JAPAN		
		8125066	05/17/1996	JAPAN		
		8083877	03/26/1996	JAPAN		
		864634	03/08/1996	JAPAN		
		EP0720225	03/07/1996	IEU PAT, OFFICE	1	T

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		EP0720234	03/07/1996	EU PAT. OFFICE			
		7312405	11/28/1995	JAPAN			
		7297344	11/1995	JAPAN			
		6260532	09/16/1994	JAPAN			
		6140563	05/20/1994	JAPAN			
		692076	04/05/1994	JAPAN			
		941979	01/03/1994	KOREA			
		5283460	10/29/1993	JAPAN			
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Complete if Known Substitute for form 1449A/PTO **Application Number** 10/667,759 INFORMATION DISCLOSURE Filing Date 09/22/2003 STATEMENT BY APPLICANT First Named Inventor Sean T. Crowley Art Unit 2811 (use as many sheets as necessary) **Examiner Name** Unknown Attorney Docket Number AMKOR-022CB Sheet 1 of

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		4098864	09-1992	JAPAN		
		EP0459493	12/04/1991	EU PAT. OFFICE		
		3177060	08/01/1991	JAPAN		
		EP0393997	10/24/1990	EU PAT. OFFICE		
		1251747	10/06/1989	JAPAN		
		1205544	08/1989	JAPAN		
		1175250	07/11/1989	JAPAN		
		1106456	04/24/1989	JAPAN		
		64054749	03/02/1989	JAPAN		
		63316470	12/23/1988	JAPAN		

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		63249345	10/17/1988	JAPAN	***	
<u> </u>		63233555	09/29/1988	JAPAN		
		63205935	08/25/1988	JAPAN		Г
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		60116239	08/06/1985	JAPAN		
		60010756	01/19/1985	IAPAN		\vdash

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		59227143	12/20/1984	JAPAN		Г		
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		EP5950939	03/19/1984	EU PAT. OFFICE		Г		
		58160095	08/31/1983	JAPAN		Г		
		5745959	03/16/1982	JAPAN		Г		
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